

MAKAROV-KOZHUKROV, L. N., Cand Agr Sci -- (diss) "Problems of the theory of pruning grape bushes." Odessa, 1960. 13 pp; (Ministry of Agriculture Ukrainian SSR, Odessa Agricultural Inst); 250 copies; price not given; (KL, 22-60, 141)

1. MAKAROV-KOZHUKHOV, L. N. USSR (600) Viticulture 7. Some problems regarding grape cultivation practices. Vin. SSSR 13, No. 5, 1953. Monthly List of Russian Accessions, Library of Congress, April __1953. Unclassified. MAKAROV-KOZHUKOV, L. N.

L. N. Makarov-Kozhukov, Obrezka i formirivaniye Kustov vinograda (Trimwing and Forming of Grape Vines), Sel'khozgiz, 9 sheets, 1973

Ob the basis of the latest scientific and practical progress, the problems of trimming and forming grape vines in the southern areas of the USSR are discussed in this book. The author acquaints the readers with various systems of forming the grape vines and nurturing them.

The book is intended for agronomists.

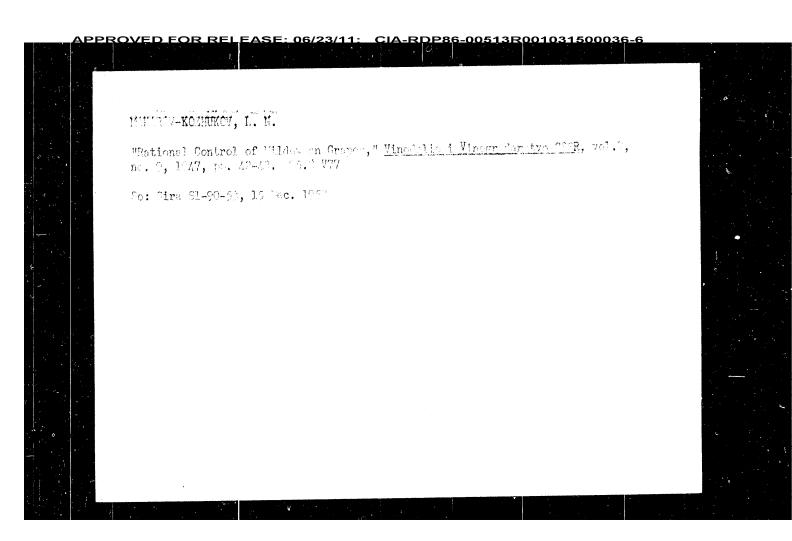
So: U-6h72, 18 Nov 1954

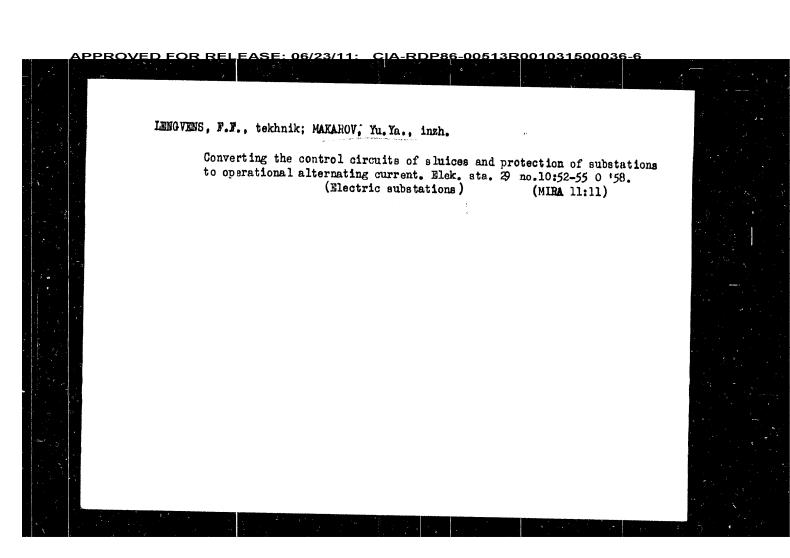
1. MAKAROV-KOZHURHOV, L. N.
2. USSH (600)
4. Viticulture
7. Let's consider viticulture problems. Nutrition area of grape vines. Vin. SSSR 12 no. 12, 1952.

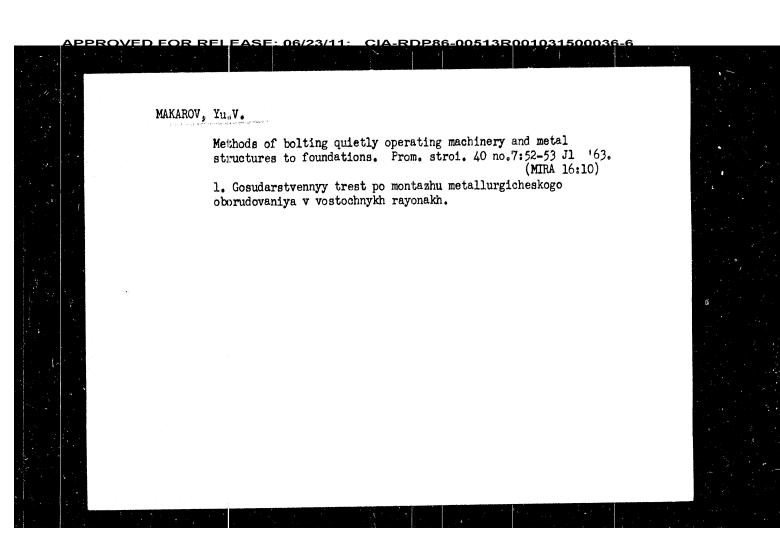
nakarov-nozhukhov, I. N.

21851 MAKARov-Nozhukhov, I. N. Yeshche o penyatii serta. Selektsiya
i semeno rodstvo, 1949, No. 7, s. 44-45.

S0: Letopis' Zhurnal'nykh Statey, No. 29, Noskvu, 1949





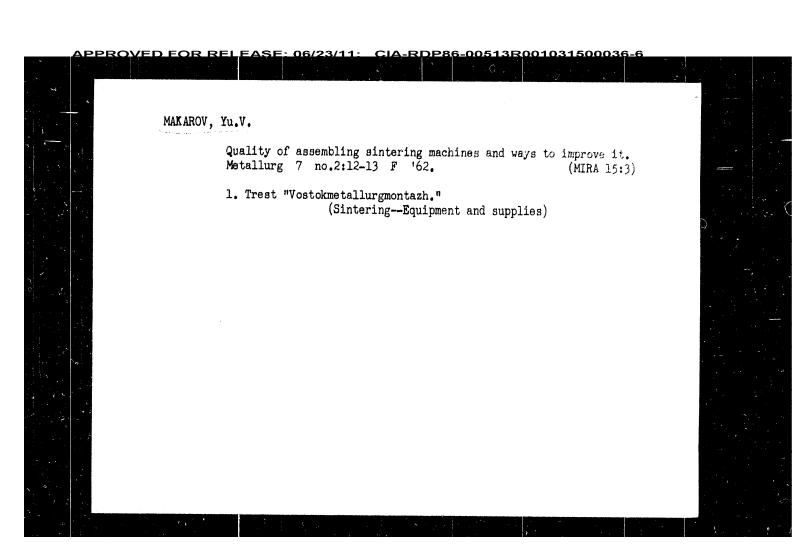


MAKAROV, Yu.V., insh.

Combined method of assembling bridge cranes. Prom. stroi. 40
[1.e. 41.] no.3:40-41 Mr '63.

1. Gesudarstvennyy trest po montazhu metallurgicheskogo
oborudovaniya v vostochnykh rayonakh.

(Cranes, derricks, etc.)



MAKAROV, Yu.V., inzh.

Combined assembly of equipment and technical metal elements in building a sintering plant. Mont.i spets.rab.v stroi. 23 no.6: 25-26 Je '61.

1. Trest Vostokmetallurgmontazh. (Metallurgical plants)

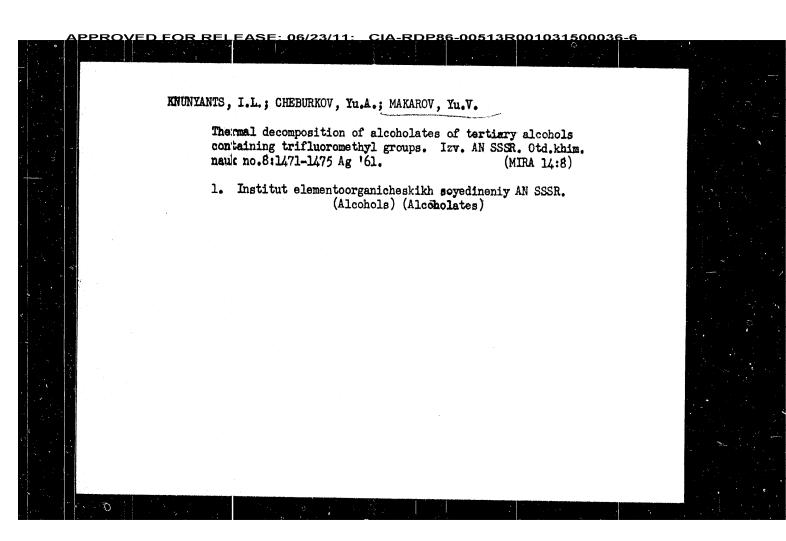
3(5)SOV/11-59-9-15/18 AUTHOR: Makarov, Yu.V. On the Article by B.M. Shtentsel' "The Age of TITLE: Conglomerates in the Metamorphic Stratum of the Median Mountain Range of Kamchatka" Izvestiya Akademii nauk SSSR, Seriya geologi-PERIODICAL: cheskaya, 1959, Nr 9, pp 106-107 (USSR)

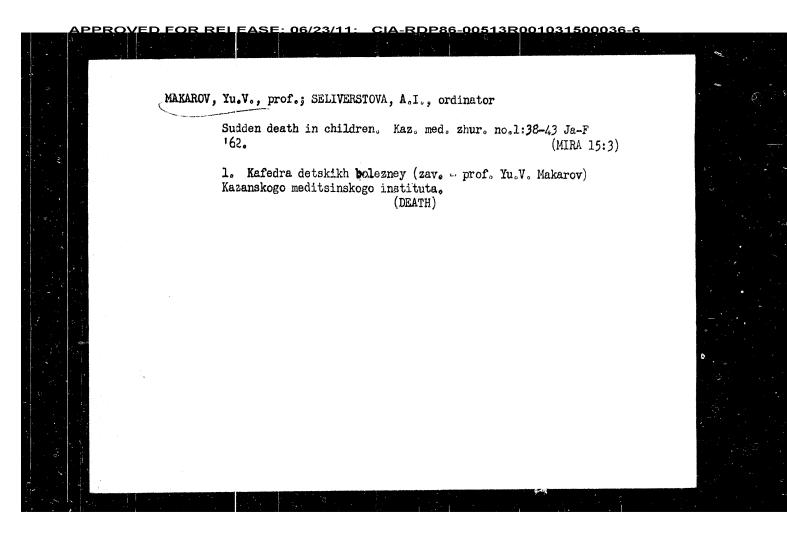
> The above article was published in the "Reports of the Academy of Sciences of the USSR", 1957, vol.114, Nr 5. The author finds that the conglomerates in question form a foundation of a series of sedimentary and effusive rocks and do not be-

long to the metamorphic series of rocks.

Card 1/1

ABSTRACT:





L 45437-66

ACC NR: AT6022648

tube and made possible a comparison of the separate phases of the process with the changes in the discharge current. The authors reached the following conclusions: At a certain distance from the ring-shaped electrode, the glow front breaks up with the formation of various types of instabilities and therefore, is not a shock wave. The glow front is a gas-discharging plasma, which plays the part of a "piston" when the shock wave is formed. The area of the shock-heated gas between the shock front and the gas-discharging plasma decreases sharply as the discharge current is reduced and the volume is increased and becomes discernible. Measurements in the air, nitrogen, hydrogen, and carbon dioxide gases have shown that the "piston" characteristic of the gas-discharging plasma is common to all gases investigated. Therefore, the glow front observed optically in electromagnetic shock tubes is the boundary line of gas-discharging plasma. The breakdown of the boundary of this plasma can produce a change in the condition of the shock heated-gas at the expense of the penetration of its "tongues" into the "bottleneck" region. Orig. art. has:

3 figures. [GC]

SUB CODE: 20, 09/ SUBM DATE: 31Feb66/ ORIG REF: 004/ OTH REF: 001/

Card 2/2

FDN/GD/AT IJP(c) EWT(:L)/EWP(m) L 45437-66 SOURCE CODE: UR/0000/66/000/000/0081/0087 ACC NR: AT6022648

AUTHOR: Makarov, Yu. V.; Maksimov, A. M.

ORG: none

TITLE: Investigation of glow front structure in an electromagnetic shock tube

SOURCE: AN SSSR, Energeticheskiy institut. Issledovaniya po fizicheskoy gazodinamike (Studies of physical gas dynamics). Moscow, Izd-vo Nauka, 1966, 81-87

TOPIC TAGS: glow front, electromagnetic shock tube, gas discharge plasma, ring shaped electrode, shock tube, shock wave, GLOW DISCHARGE, SHOCK TUBE, DISCHARGE CHAMBER

ABSTRACT: On the basis of previous works, the authors describe in detail the results of an investigation of the structure of the glow front in the air at a great distance from the discharge chamber. The investigation was made with the aid of an electromagnetic shock tube with a conical discharge chamber. The extension of the glow front along the tube showed the changes in the shape of the front along the

Card 1/2

The state of the large of this layer is first times longer than the duration of the transporter and in the first state the first state the state of the transporter and intent pressure or 1 ms fig. 18 first is green in which he dequate of the state intent pressure or 1 ms fig. 18 first is green in which he dequate of the state intents of the state is the small state of the state of the state in the state of the state is the small state of the s	APPROVED FOR REL	EASE: 06/23/11:	CIA-RDP86-00513R00103150003	6-6
and the durating of this layer is 1 to 5 times indice that the duration of the consideration		1		
and the duration of the property of this layer is 1 to 5 thes independent the duration of the property on the standard of the				
and the direction of this layer is 1 to 5 these longer than, the duration of the pasts entered to this layer is 1 to 5 these longer than, the duration of the pasts entered to this of a shock tube 50 mm in identity versus the shoot an initial dressing of the springer life in the service of the springer life in the smallest life in a line in the service of the springer life in the smallest life in the small life in the smallest life in the smallest life in the smallest	Q			
and the direction of the past is 1 to 5 these larger than the duration of the pasts south the direction of the pasts south the of the of a shock tube 50 ms in direct versus the shock may versus the shock may versus the shock may represent a majority at a minimal dressure of the past is given in a graph in which the sail past pasts are professionally as a minimal stress of this directly gauge sited bire is the smalless of this contains and particles are profess in a shock tube of the first pasts and in a speciment form the shock tube of the particle gas and the speciment form the shock tube of the past pasts and a significant form the speciment pasts of the contains method and a high-speciment of pasts. [AB] AND THE SOLETANDED TOO SEE CORE AS AND THESE AND THE SECOND THESE AND THESE AND THESE AND THESE AND THESE AND THE SECOND THESE AND THE SECOND THESE AND THE SECOND THE SECOND THESE AND THE SECOND THESE AND THE SECOND				
und the director of this layer is 3 to 5 these longer than the duration of the trans source end of the point about tube 50 mm in diameter versus the shoot every value of a militial pressure or 1 me by in given in the ter versus the shoot feather of the militial pressure or 1 me by in given in the transit of the versus a configuration and various apprimental data are profited. One is the various a configuration thermal gauges class by its the smallness of the time cone of the film thermal gauges class by the interpretable with a point in the profit of the p	10、 1500 - 1510 x 151 x			
Test the often hook to like the 50 mm in diameter versus the about the series velocity at a middle pressure of 1 mm by 1s given it was read in which the series is a class of the control				
Test this often which the specific of 1 may be a positive to a compared the about the specific of 1 may be a supermortal that are plotted. One distincts the specific of a supermortal data are plotted. One distincts the specific of the spe			s 5 blees longer land the duration of th	
services at a constitution of the constitution and various experiments; and are plotted; One constitution of the constitution			shock tube 50 mg in diameter versus the	hou:
antiques of Chimerian thermal grades cited by the small essential value of the soul rest and the soul rest and the soul rest and the long in the Machines water conducted the a shock tube. The Additional section of the Restrict method and a miss-speed spyte-disers (30,000 trainer/sec) orestring. Cite section, that is figures. AND PRESS: ACCURATE AND PRESS: ACCURAT				ine and the second of the seco
the defects and the long of the Mach range from D to 11 (a shock tube the Arithmeter and the Language the D to 11 (a with hydrogen as the Arithmeter and the Language method and a tight-speed movie or mers. (30,000 trumes/setc). **RECTATION** To 00 Orespondings Out, art has confidence in the Confidence (AE) **RECTATION** To 00 Securities (Confidence or Confidence			ne sacrous entrements sant secretor co	
The main to determine and it is long in the Mach same tron 5 to 11 0 with hydrogen as the determine means (50,000 traines/sec). The determine metal to the description method and a high-speed notice trainer. AUSCURFURE (50,000 traines) [AB] AUCULO 00 traines (50,000 traines) [AB] AUCULO 00 traines (50,000 traines) [AB]				
The Assertage as One Vertice method and a High-speed prite queers IS (OU) (rimes/sec) (AB) ARROGRAPION FOR ARROTRATION FOR				
ACCURATION ASAM Side And Side				
RUP ROVE SON SECULORS STATE OF			(SAV) (MESSAGE) (SACE SAME AND	
STEEL COST STEEL SON SERVICE STEEL STEEL SON SERVICE STEEL STEEL SON SERVICE STEEL STEEL STEEL STEEL SON SERVICE STEEL S				
NO. RET. SOFT. DOG. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2.				
	L Carrier Commence	Barrer St.	M(0) 00 (1) The second of the code of the	
	•			
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		CORRECT COLUMN TO THE PROCESS.	1/W//
	· · · · · · · · · · · · · · · · · · ·	er .		
		ور		
		e et trageres santa santa de la comparta	and the second s	

		stalkaroje je sištava 8 🔻 💤 🗸	_
	(a.o.) Sing to the result places on a single	Market and the second s	
	Final Call (La la Gardan) (Constitution of the page 1950s)	SE CONTRACTOR OF THE CHANGE	
bl i			
6) (1) (6) (7)	tiers, des églipitals téamles true (v. 1. 16	3. 1965, 1574162	
	and E hills , silk time, shift this , is E-w. They believed shows yeve -burn This		
AVIOLET STREET	Been Bush Edit on expensional Conferd of	stion of an diseastor sail the	
	es i lacore soluer, an unicessive de		
	inter Michigan Company of Dia Vincentia Company		
	a (11 (2005) (2001) (12 distribution)		
	edia des desde goskaŭ riso a paske god Lvei disoriar sedegos uras direktivat.		
	Buri av Caleral yaniku in saan 172 ki		
		race to be distributed to a continue to	

ACC NR: AP6007076 reflector and high-speed streak photographs were made with the integrated light through a 15-cm-long slit parallel to the axis of the tube. The conductivity of the plasma behind the reflected shock wave was measured with the aid of a 2-mm-thick spiral winding with inner and outer diameters of 1.0 and 1.5 cm, respectively. This winding was mounted within the Plexiglas reflecting wall and formed part of a resonant circuit with a resonance frequency of 865 kcps and a Q of 110. The plasma conductivity was obtained from the change in the current in the resonant circuit under constant excitation with the aid of an empirical calibration curve recorded under static conditions. The manifold data are discussed at length. The data recorded for air are compared with thermodynamic calculations and reasonable agreement is shown. Possible sources of error of the conductivity measurements are considered and it is concluded that the measured values of the conductivity are reasonable but that final conclusions must await improve ment of the technique and performance of appropriate calculations. 'The authors thank A.S. Predvoditelev for valuable discussions, V.S. Chebyshev and V.A. Poltoratskiy for assistance with the experiments, and N.N.Shipkov for cooperation in the conduct of this work." Orig. art. has: 6 formulas, 7 figures, and 3 tables. [15] SUB CODE: 20/ SUBM DATE: 15Apr65/ ORIG REF: OTH REF: 004 ATD PRESS: U2/5

1 20180-66 MM*(1)/EWP(a)/EWP(m)/EWT(m)/EWA(d)/EWA(h) WW/WH ACC MR: APS007016 UR/0057/66/036/002/0280/0293

AUTHOR: Makarov, Yu.V.; Maksimov, A.M.

ONG: Power Engineering Institute im. G.M.Krzhizhamovskiy, Moscow (Energeticheskiy institut, Moskva)

TITIE: Investigation of the processes behind a reflected shock wave in an electromagnetic shock tube

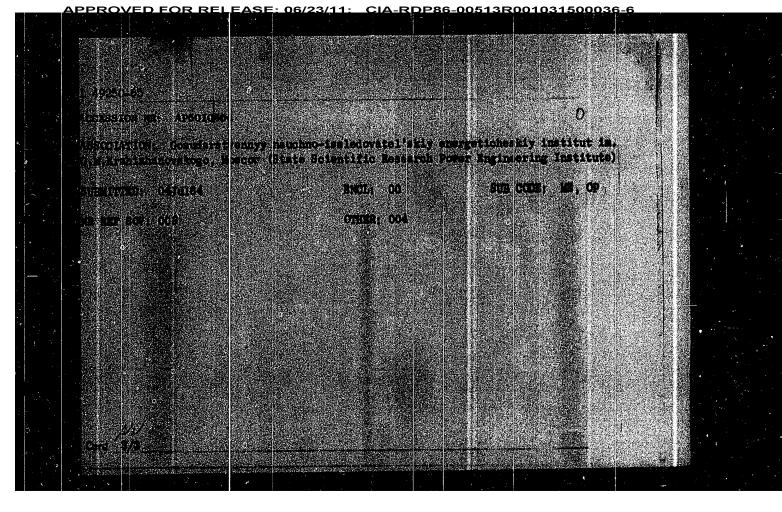
SOURCE: Zhurnal tekhnicheskoy fiziki, v. 36, no. 2, 1966, 280-293

TCPIC TAGS: plasma shock wave, plasma temperature, plasma density, plasma conductivity, shock wave reflection, reflected shock wave, air, argon, carbon dioxide

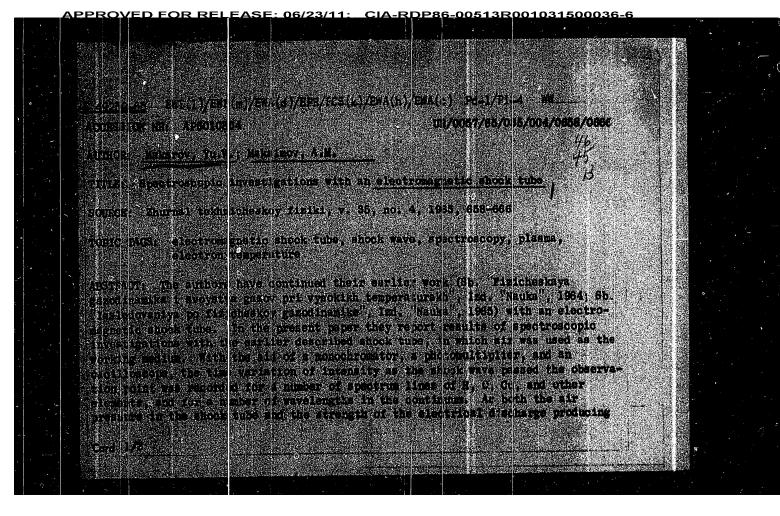
ABSTRACT: The reflection of shock waves normally incident on a solid wall was investigated in air, argon, and carbon dioxide at pressures up to 2 mm Hg, and at Mg numbers up to 34 for air and argon and up to 50 for carbon dioxide. The shock waves were produced in a 5.7-cm diameter, 110-cm-long electromagnetic shock tube equipped with a conical discharge chamber and closed at the far end with a Plexiglas reflecting wall. The velocity of the waves was measured with the aid of two photomultipliers mounted 20 cm apart, one of which recorded the radiation from the region immediately adjacent to the reflecting wall. The pressure was measured with a 2-mm-diameter piezoelectric ceramic transducer mounted 5 mm from the reflector near the cylindrical wall of the tube. Time-resolved spectrograms were recorded of the radiation originating near the

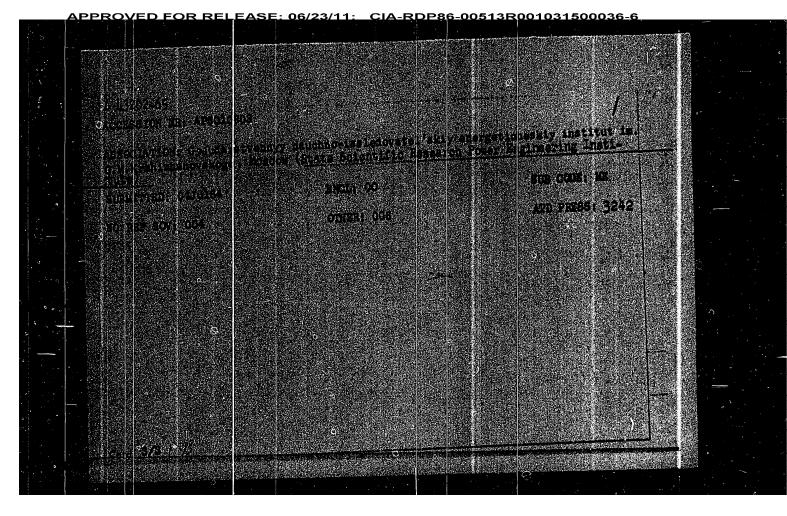
Card 1/2

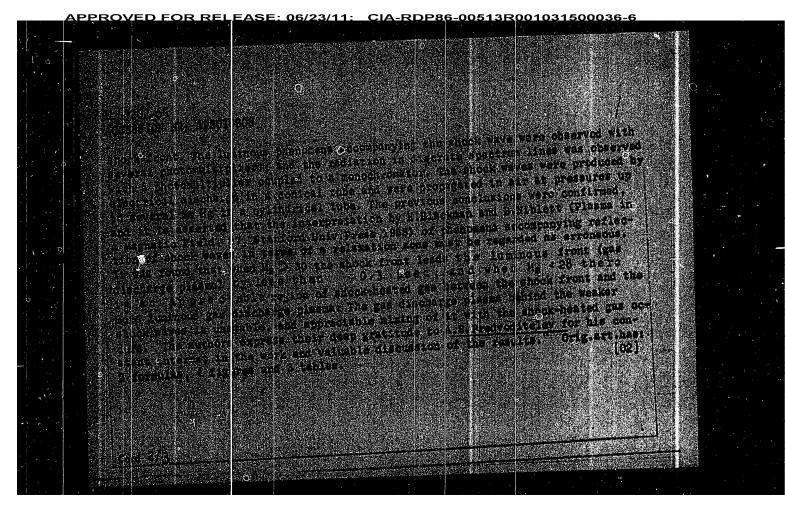
UDC: 533.9



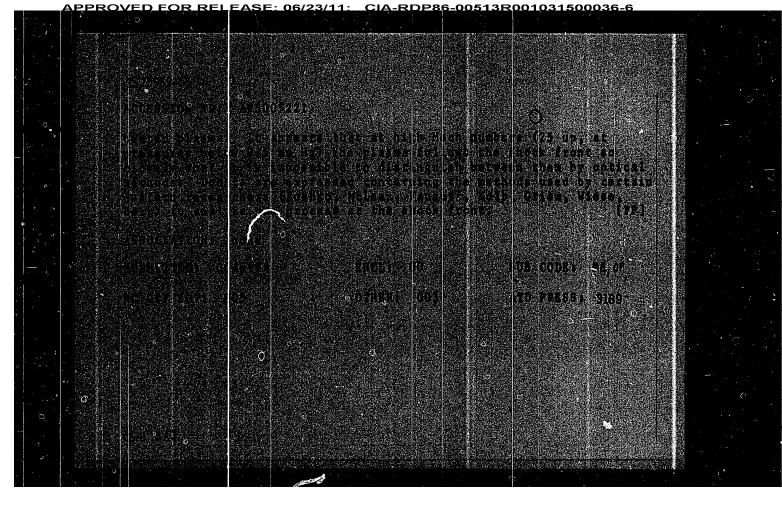
APPROVED FOR REL	EASE: 06/23/11: C	IA-RDP86-00513R	001031500036-6	
5_8925(265				
Acess (or App. A056) o				
	mied over rather vide Only & few or these is			
if of the brook a conferent relation	In Since (State) Kost	of the visible rullar	on was found to	
Opening at the grade	koronasya (18 asya) (selikita) (sar/202) (seek) (siin) (likoik		er meet gondtiione	÷
	Endough the Section of	of Pick (Prints Man Lan	eddeledly fenting	
	in gome combined in access (B. Mayer - get - consort the			
e de la companya de l	Motor Parthamant Co.	de decire d'he cles	- Con concentra-	
Senie in a di Sie ani ani			A STORY CONTRACTOR	•
	Parania (m. 1947). Parania (m. 1948).			
3 Salaka 1 (1) 5 2 2 3 5 1			A Company	

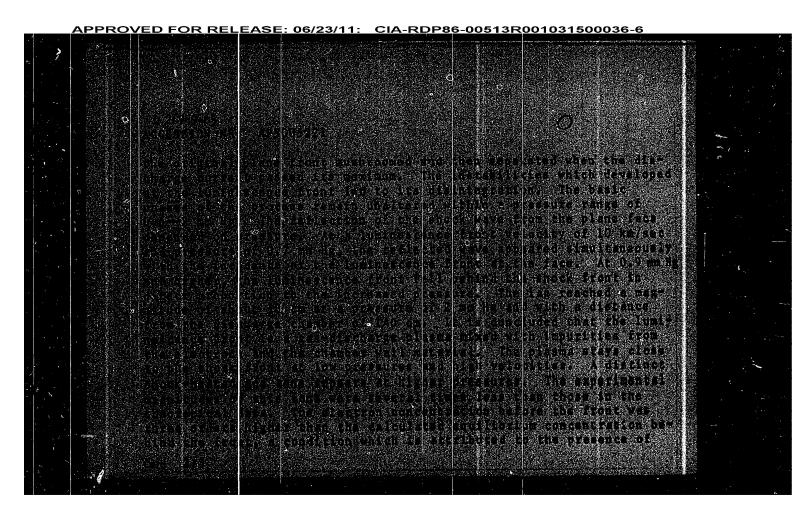






APPROVED FOR REL	EASE: 06/23/11: CIA-RDP	P86-00513R001031500036-6	
0_1	/(<u>1977)</u> 578 (n) /(661 (n) /(763 (n) /481) 1988a	(0)/Bell (6)- P-1/R2-U 'N Up/0087/ 55/035/004/0650/0657	
		usyon in an electronignetto abook	
	edista issue ar menu.		
Surgery and		n (3/A) m u baltica (tennicust), misso estric mandica	
Assemble The A	uniors have previously investig	gar si shook waves in textromagnetic.	
	incovered Services	MR tox live tox intensaty shoot	
		and that for any already Oir reliant of maximum luminosally. In Oir reliant of maximum luminosally. In Is led deposit whis to cost and extend It is present which the use of a It is present which has sage of the	
	Albert State Control of the Control		





APPROVED FOR RE	LEASE: 06/23/11:	CIA-RDP86-00513R	001031500036-6	
		desperyent de la company	Parket Anna Anna Anna Anna Anna Anna Anna Ann	
	0		1886 100 NO 10 10 JULIUS (1986)	
	10. 3 GAC			
	,			
		uskija dine		
		nedicarcie il Botis. Lic	est marnette ande	
			Militer Report in a	
			grande de l'uscriete e de sero car che	<u> </u>
		(not been 180 % k Foreston (September)	inalier i hereit die	
				,
	San			

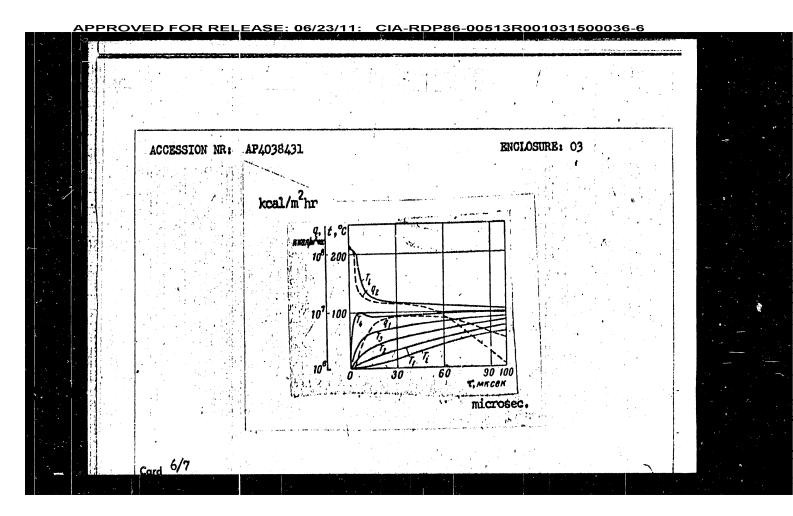
ACCESSION :R: AP4038431

Dependence of heat fluxes and temperatures on the time, calculated for the pickup from the experimental data

T_t - temperature on external surface of insulation and filament
T₁, 2, 3, 4 - temperatures in different layers of the insulation, in steps ar = 1 µ

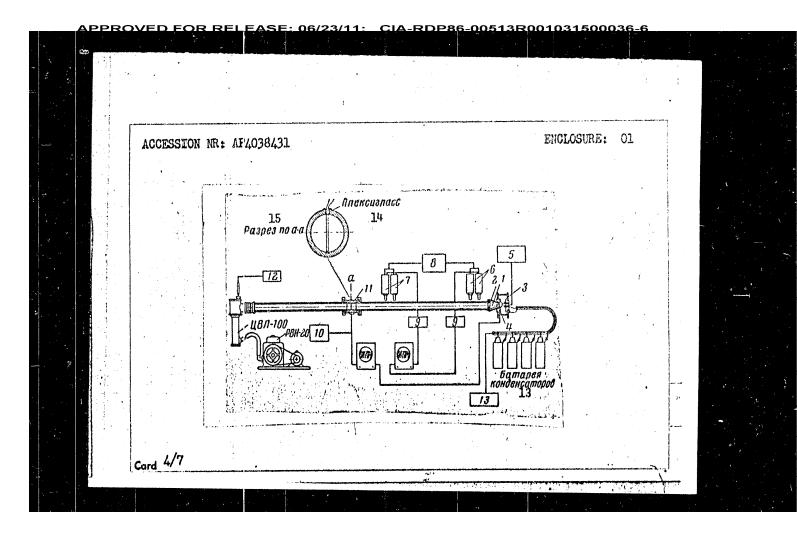
q₁ - heat flux to external surface of pickup

Cerd 7/7



ACCESSION NR: AP4038431 ENCLOSURE: 02 Block diagram of experimental setup 1 - discharge chamber, 2 - return lead, 3 - discharge gap, 4 - loop,
5 - initiating block, 6 - photocells measuring the front velocity, 7 - photomultipliers measuring the front velocity, 8 - photomultiplier supply block, 9 - linear mixer, 10 -resistance thermometer supply, 11 - section with resistance thermometer, 12 - vacuum meter, 13 - capacitor bank, 14 - Plexiglas, 15 - section a-a

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001031500036-6



ACCESSION NR: AP4038431

tus. "The authors are grateful to A. S. Predvoditelev for interest in the work." Orig. art. has: 3 formulas and 3 figures.

ASSOCIATION: Energeticheskiy institut im. G. M. Krzhizhanovskogo (Power Institute)

SUBMITTED: 06Aug63 DATE ACQ: 09Jun64 ENCL: 04

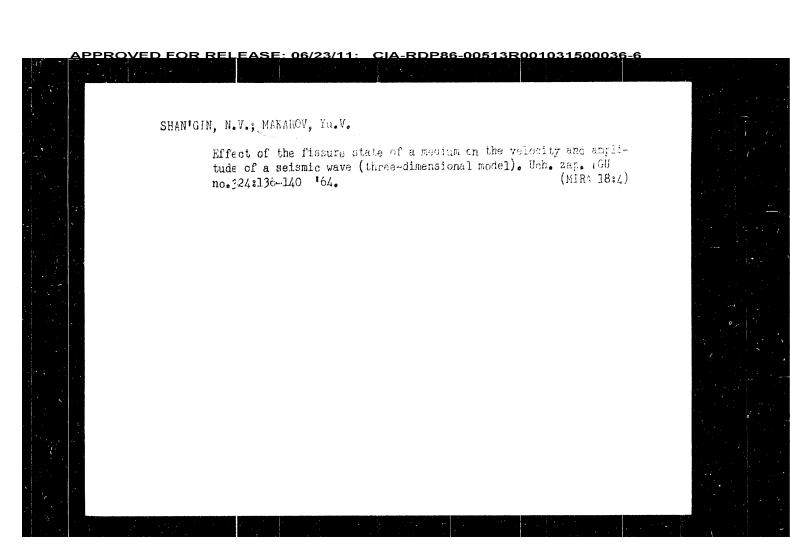
SUB CODE: ME NR REF SOV: 003 OTHER: 001

ACCESSION NR: AP4038431

serve as a heat accumulator, and the possibility of using various structural shapes (linear, circular, bifilar, etc.). A heat-exchange experiment with these pickups is described, using apparatus previously reported (Zh. tekhn. fiz. v. 33, No. 6, 724, 1963). The plasma was produced by discharging a 600 μ F capacitor bank at 5 kV. The pickup was made of 15-micron wire covered with glass insulation 5 microns thick. The calibration of the thermometer is described. The results of the heat flux measurements with the aid of the cylindrical wire agreed with the assumption that the plasma is produced by a shock wave moving with velocity 9 x 10⁵ cm/sec. The calculated parameters behind the shock were $T_2 = 8,000^{\circ}$ K, $P_2 = 0.27$ atm. and $\zeta_2 = 0.6 \times 10^{-5}$ g/cm³. While the experiment described does not solve the heat exchange problem completely, yielding merely information on the parameters and structure of the flow in a magnetohydrodynamic tube, it is concluded that the method can be used to determine the energy losses of a plasma generated in pulsed appara-

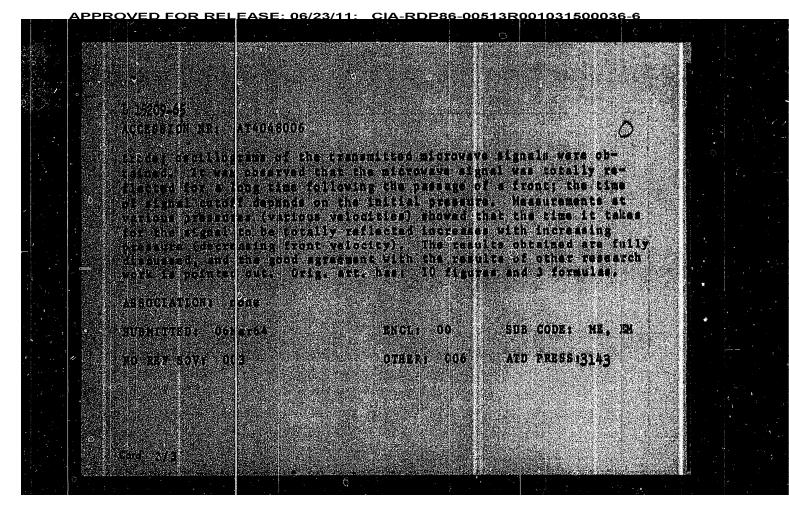
Card 2/7

ACCESSION NR: AP4038431 \$/0294/64/002/002/0170/0175 AUTHORS: Makarov, Yu. V.; Polyakov, Yu. A. TITLE: Method of measuring heat fluxes in a plasma SOURCE: Teplofizika vy*sokikh temperatur, v. 2, no. 2, 1964, 170-175 TOPIC TAGS: plasma heating, discharge plasma, shock wave propagation, heat exchange, thermal calorimetry ABSTRACT: After listing the limitations of other methods, the authors demonstrate the feasibility of using a thin copper wire with glass insulation as a pickup, suitable for short-duration processes, for the measurement of heat flow from a plasma in the temperature range 3,000-20,000K. Among the advantages claimed for the pickup construction is the ease with which a wire-wound resistance can be manufactured (compared with a film resistance), the possibility of using thicker and stronger insulation, the lack of a substrate to



	RELEASE: 06/23/11: CIA-RDP		
0	and the second s		
	NR: AT4048007		
	2A ind the results being tabulated. But trode: and the hydrogen Balmer series.	ngh ines were obtained from the	
	Controller of their family Charles in the	energy when the discharge pare-	
A Caralysia No.	e oha ged are then discussed. The ion c es was obtained from Stark-proadening.	oncentration for various pressules	
	is its illumitation continue of Sautheen (Sie Stiefe)	regionae o my stamperature zones	
	service come against The expression wave and	(on concentration decreased at high	
integrités	Orig art, has: 1 table and 2 figures.	The second secon	
ALC: I COMPANY	DN: I nergeticheskiy institut AN SSR (P	ower Engineering Institute, AN 355R)	
	9: 00 Mar64 ENGL: 00	SUB COIDE: ME	
	Vi 0 2 OTHER: 008		
a – to to			
Fee 2/2			4

8/2000/81/000/000/0055/0058 enicasion Yere in the least of the least N. San V. Makshnov, A. M. /035/101/61155@United CH/ ionic sticles of plasma in simplication visconamic shock-tube. Ris Emergeticheskiy matitut. Fizichsaksya gazodinamika i svoystva kh temperaturakh (Physical gas dynamics and properties of gases at s). Moscow, 12d-vo Nauka, 1964, 55-58 kinanevi conficio de SS Parosonos da sob hion (Alignetication) lasme, gas dynamics, magnetohydrodynamics, plasma flow, shock tube, rum, plasma temperature, plasma ion concentration is is a continuation of work by the authors using equipment described is study of spectra from plasma behind the luminescent front of a shock is study of spectra from plasma behind the luminescent front of a shock is study of spectrometer was set up 90 cm from the ring electrode. The lighast spectrometer was set up 90 cm from the ring electrode. The kerron, was measured by an arrangement of photomultipliers which is of the shock-wave. The gas used was publiced sir at pressures of 0.3 - is the shock-wave. The gas used was publiced sir at pressures of 0.3 - is the shock-wave. The gas used was publiced sir at pressures of 0.3 - is the shock-wave and with some proof and narrow lines. The spectrum reintense at the red end with some proof and narrow lines. The spectrum comparision with mercury and iron spectra, wavelengths being measured comparision with mercury and iron spectra. eneme verve anev ABSTRUCTU TO Openionally for th rienniusi krentyj weer consists and the



APPROVED FOR REL FASE, 06/23/11. CLA-RDP86-00513R001031500036-6

ALONSTOW MR. NEADSOOF

SYATEM AND VERY COME AND STATEMENT OF THE PROPERTY OF

APPROVED FOR RE	LEASE: 06/23/11: CIA-RDP86	-00513R001031500036-6	
in the second of	LEASE: 06/23/11: CIA-RDP86	SAEM(a)/RAEM(c)/ESD(ga)/ESD(t)	
		00/64/000/000/0045/0034	
in proposition (183)	KAYOARI OMA	ĕ -/	
	Wastingtions of the profession to the profession of the profession	Caking place in a mast	
	Weetfustions of the profession	Copecha Re Champer	
O CONTRACTOR	The state of the s	aperstures). Hoston	
		asgnetchy trodynamics,	
	is discharge cure, show, allegation and the street of the	(100)	
		Company of the compan	
		THE REPORT OF A DAME OF	
0. 2507 1 877	de decretary. The experiment of 7.5 k maximum energy, t led spack Haps a cube in which	tracing Rel modes, a decaus	
ing a consti	A PARTY BANK # 22		
(Geo. 1/2)			2) 12
	Construction of the Constr		

MAKAROV, YU.V.; MAKSIMOV, A.M.; TRUKHIN, V.I.; CHEKALIN, E.K. (Moscow) "The shock wave investigation in a magnetohydrodynamic shock tube". report presented at the 2nd All-Union Congress on Theoretical and Applied Mechanics, Moscow, 29 Jan - 5 Feb 64.

ACCESSION NR: AP3011333

the distance from the blunt body. The shock retains an almost stable form during the first 6 microse: and afterwards changes sharply. The process of shock-wave formation is very complicated and cannot be described by a simpler scheme. The presence of a static magnetic field changes the aspect of the process behind the circular electrode. The intensification of the static field in the center of the conical chamber; recorded by a magnetic probe, is due to the radial compression of the gas in the limitudinal magnetic field. The recording of the maximum value of the field with the arrival of the glow front at that point. The fast attenuation of the field with an increase in distance from the circular electrode is due to the low gas conductivity. "In conclusion, we must express our gratitude to A. S. Fredwoliteley for proposing the topic and evaluating the results." Orig. art. Bas: 4 figures.

ASSOCIATION: Energy ticheskiy institut im, G. M. Krahizhanovskogo, Moscow (Fover Angineering Institute)

L 10395-63 EPR/RPA(b)/EWT(1)/EWG(k)/BDS/T-2/ES(w)-2-AEDC/AFFTC/ASD/ESD-3/AFWL/SSD--Ps-L/Pd-L/Pz-L/Pi-L/Pab-L--WW/AT/LJP(C) 8/0057/63/033/006/0724/0730

AUTHOR: Makarov, Yu V.; Nartov, S. V.

89

TITE: Some results of a magnetic field investigation in a hydromagnetic

shock tube

SOURCE: Zhurnel tekunicheskoy fiziki, v. 33, no. 6, 1963, 724-730

TOPIC TAGS: shock wives, T-type tubes, magnetohydrodynamic shock tubes

ABSTRACT: The forms ion of shock waves in a magnetohydrodynamic tube with a conical chamber has been investigated by using the apparatus shown in Fig. 1 of the Enclosure. Phot agraphs of the process near the circular electrode with and without the presence of an external magnetic field were obtained. The capture of the external magnetic field during radial compression of plasma in the conical chamber and during a stal motion from the chamber into the tube was preliminarily studied with the aid of magnetic protes and coils surrounding the tube. These results are summarized in Fig. 2. It is concluded that the duration of the detached shock is approximately half of the period of discharge, regardless of

Card 1/82_

S/885/62/000/000/030/035 D234/D308 Investigation of the effect ... found that the measurements are most affected by electrical conductivity of the gas. There are 10 figures. Card 2/2

\$/885/62/000/000/030/035 D234/D308

Makarov, Yu. V. and Polyakov, Yu. A. AUTHORS:

Investigation of the effect of thermal and electrical TITLE:

phenomena on the measurement of heat exchange in a shock

tute

Akademiya nauk SSSR. Energeticheskiy institut. Fiziches-SOURCE:

kaya gazodinamika, teploobmen i termodinamika gazov vy-sokikh temperatur. Moscow, Itd-vo AN SSSR, 1962,261-269

TEXT: The authors analyze the possible sources of error in the use of a film transducer at p = 0.76 mm Hg. Thermal sources of error (accumulation of heat energy in the film owing to heat exchange, decrease of temperature of the film during the experiment, heating of the film by the measuring current, thermal emission) are investigated theoretically. Experiments were carried out on: distortion of the signal due to shunting of the resistance of the film by a conducting medium, induction of a current in the film, adhesion of -ions to the film, additional signals due to photoemission. It is

Card 1/2

S/120/60/000/02/045/052

Makarov, Yu.V. and Meleshin, N.M. AUTHORS:

Light Pulse Generator for Photomultiplier Testing TITLE:

Pribory i tekhnika eksperimenta, 1960, No 2, PERIODICAL:

pp 154 - 155 (USSR)

ABSTRACT:

An instrument is described employing a neon lamp and a thyratron for generating short light pulses at repetition

rates of 50 - 250 cps. The scatter is about 0.15%.

Dispersion is absent.

There are 4 figures and 2 references, 1 of which is

English and 1 Soviet.

Institut khimicheskoy fiziki AN SSSR (Institute of ASSOCIATION:

Chemical Physics of the Ac.Sc., USSR)

SUBMITTED: March 31, 1959

Card 1/1

SOV/56-36-4-13/70
Isomers With Millisecond Periods Formed in Reactions With Neutrons With
Energies of 14 Mev

bashov, Yu. Ya. Lapitskiy, A. V. Gusev, V. S. Ionov, and D. F. Veprintsev for their collaboration. There are 12 figures,

table, and 21 references, 10 of which are Soviet.

SUBMITTED:

October 21, 1958

Card 4/4

SOV/56-36-4-13/70

Isomers With Millisecond Periods Formed in Reactions With Neutrons With

Energies of 14 Mev

Samp	ole y-energy Mev	half-life [msec]	cross section [10 ⁻²⁴ cm ²]	on suggested reaction
Gе	0.17 <u>+</u> 0.01	16 <u>+</u> 1	0.3	75 75m
As	0.28 <u>+</u> 0.01	17 <u>+</u> 1	0.13	As ⁷⁵ (n,n')As ⁷⁵ m
Y	0.24 <u>+</u> 0.01	14 <u>+</u> 1	~	$Y^{89}(n,n')Y^{89m}$ or
				$Y^{89}(n,2n)Y^{88m}$
In	0.32 <u>+</u> 0.01	42 <u>+</u> 2	0.8	$In^{115}(n, 2n)In^{114m}$
Pb	0.48+0.01;	5 <u>+</u> 0•5	•	Pb ²⁰⁶ (n,2n)Pb ^{205m}
	0.94 <u>+</u> 0.02 0.58+0.01;	8.10 ² ±1.5.10	o ² 1.5	Pb ²⁰⁸ (n,2n)Pb ^{207m}
	1.04+0.03			Pb ²⁰⁷ (n,n [†])Pb ^{207m}
Bi	0.48±0.01; 0.86±0.02	2.7+0.3	0.6	Bi ²⁰⁹ (n,2n)Bi ^{208m}

The authors finally thank O. I. Leypunskiy for his great help, and O. B. Likin, N. M. Meleshin, N. K. Parshenkov, V. A. Sha-Card 3/4

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001031500036-6

SOV/56-36-4-13/70 Isomers With Millisecond Periods Formed in Reactions With Neutrons With Energies of 14 Mey

in an accelerator of 500 kv (cf Ref 6). Irradiation was in pulses at the rate of ~1 pulse per second. The square pulses received on the target had a duration of 1.3 msec and amplitudes of up to 2 ma; 2.107 neutrons/pulse were amitted. The neutron monitor worked with a photomultiplier FEU-19M with scintillator which was sensitized for neutrons (ZrS in plexiglass), and with the PS-10000 device "Floks". For measuring arradiation a NaJ(Tl)-crystal in a standard duraluminum container with the photomultiplier FEU-S was used. The devices and methods for the determination of the half-lives of isomeriand for estimation of the formation cross section for asomeriane discussed in detail. Figure 1 shows a block scheme of the entire device, figures 3,6,7,11,12 show spectra recordings. Measuring results are discussed individually for an histomeriant recontained in the following table:

Sample (-energy [Mev] half-life cross section suggested [msec] [10-24 cm²] reaction

Mg 0.47+0.01 20+1 0.08 Mg 24 (n,p) Na 24 m

Card 2/4 Al 0.47+0.01 20+1 0.04 Al 27 (n,a) Na 24 m

21(7) SOV/56-36-4-13/70 Glagolev, V. L., Kovrizhnykh, O. M., Makarov, Yo. V., AUTHORS: Yampol'skiy, P. A. TITLE: Isomers With Millisecond Periods Formed in Reactions With Neutrons With Energies of 14 Mev (Izomery s millisekundnymi periodami, voznikayushchiye pri reaktsiyakh s neytronami s energiyey 14 MeV) PERIODICAL: Zhurnal eksperimental noy i teoreticheskoy fiziki, 1959, Vol 36, Nr 4, pp 1046-1057 (USSR) In the present paper the authors report on an investigation ABSTRACT: of the short-lived (10⁻³ - 10⁻¹ sec) deradiation occurring in reactions with the participation of 14 Mev neutrons. Investigations were carried out of Li, C, Na, Mg, Al, S, Ca, So, Ti, V, Mn, Co, Ni, Zn, Ga, Ge, As, Se, Br, Rb, Cu, Fe, Sr, Y, Zr, Wb, Mo, Pd, Cd, In, Sn, Te, La, Ce, Ta, W, Au, Hg, Tl, Pb, Br, The and U. In Mg, Al, Ge, As, Y, In, Pb, and Bi reactivities of such small half-lives were found. The apparatus and the measuring method are first described in detail. The neutrons Card 1/4 used originated from the reaction T(d,n)He4 and were accelerated

PA - 2705

New Short-Lived Isomeres within the Millisecond Domain.

one another. The data found here are compared with those found by other authors shortly after the here discussed measurements had been carried out. (1 Table).

ASSOCIATION:

Chemical-Physical Institute of the Academy of Science of the

U.S.S.R.

PRESENTED BY:

SUBMITTED:

AVAILABLE:

Library of Congress

Card 2/2

EASE: 06/23/11: CIA-RDP86-00513R001031500036-6

MAKAROV, Yu.V.

AUTHOR:

LEYPUNSKIY,O.I., MOROZOV,A.M., MAKAROV,YU.V.

YAMPOL'SKIY, P.A.

TITLE:

New Short-Lived Isomeres within the Millisecond Domain.

(Novyye korotkoperiodnyye izomery v millisekundnoy oblasti, Russian)

PERIODICAL:

Zhurnal Eksperim. i Teoret. Fiziki, 1957, Vol 32, Nr 2,

pr 393-394 (U.S.S.R.)

Received: 5 / 1957

Reviewed: 7 / 1957

PA - 2705

ABSTRACT:

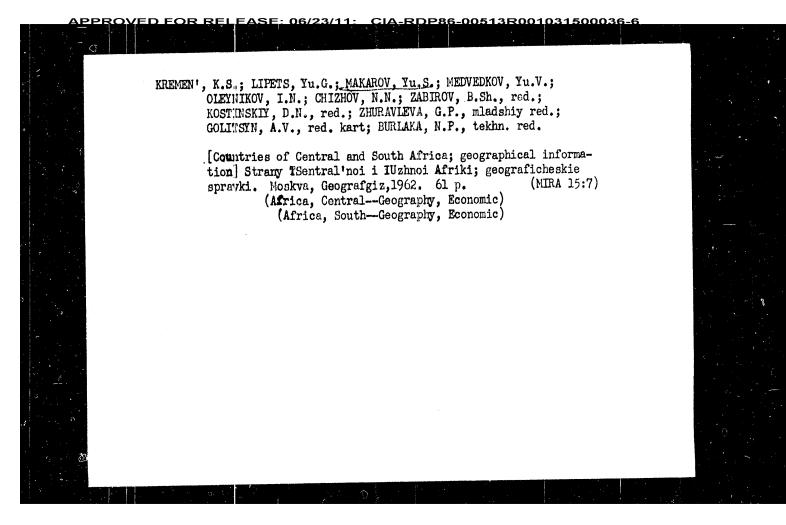
The authors investigated such isomeric states as occur on the occasion of reactions with 20 MeV protons. Data on new isomeric activities of some elements were determined recently. The method used for the investigation of these short-lived activities were described in a previous work (O.I.LEYPUNSKIY et al., Doklady Akademii Nauk, 1956, Vol 109, Nr 935). In the case of the measurements described here the energy of \(\chi^*\)—radiation was determined by means of a photomultiplier FEU-19 with NaJ(T1) crystals and a one-channelled differential discriminator. Also the control tests are mentioned.

A table contains the half-value periods found here and the values of the energy of f -radiation of the newly discovered activities. The half-value periods found on the occasion of control tests with different compounds of the same element agree well among

Card 1/2

MAKAROV, Yu.S. Shipping and the interregional economic relations of Indonesia. Top. geog. nc.64:80-93 164. (MIRA 17: 1. Moskovskiy gosudarstvennyy universitet, geograficheskiy fakulitet.

MAKAROV, Yu.S. Seaports of Indonesia, Vest. Mosk. un. Ser. 5:Geog. 18 no.5:26-31 S-0 163. (MIRA 16:11) 1. Kafedra ekonomicheskoy geografii kapitalisticheskikh i slaborazvitykh stran Moskovskogo universiteta.



KREMEN', K.S.; LIFETS, Yu.G.; MAKAROV, Yu.S.; MEDVEDKOV, Yu.V.;
OLEYNIKOV, I.N.; CHIZHOV, N.N.; VORONINA, L.M., red.;
ZABIROV, B.Sh., red.; NASHAYEVA, E.A., tekhn. red.

[Equatorial and Southern Africa; 1:5 000 000] Ekvatorial'nata
i IUshnata Afrika; 1:5 000 000. Moskva, Gos.izd-vo geogr.lit-ry
1961. 1 fold. map. ___ Text. 56 p. (MIAA 15:1)

1. Russia (1923- U.S.S.R.) Glavnoye upravleniye geodezii 1
kartografii.

(Africa-Economic geography-Maps)

MAKAROV, Yuriy Semenovich; CHIZHOV, N.N., red.; NOGINA, N.I., tekhn.red.

[Mozambique] Mozambik, Moskva, Gos.izd-vo geogr.lit-ry, 1959.

(Mozambique)

(Mozambique)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001031500036-6

23288

S/187/61/000/007/003/003 D053/D113

A new differential aperture-correction network

C = 6 Mc, and the maximum positive value of a. An aperture corrector (Fig.2) designed according to this network is installed in the vidicon movie-picture unit of the Moscow TV station. There are 2 figures and 3 references: 2 Soviet-bloc and 1 non-Soviet-bloc. The English-language publication reads: R.C. Dennison, Aperture compensation for television cameras, RCA Review, 1953, No. 12.

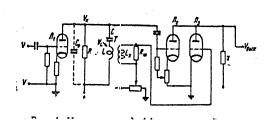


Fig. 1
New differential aperture correction network

Card 4/5

23288

S/187/61/000/007/003/003 D053/D113

A new differential aperture-correction network

and the phase shift (Υ) is

$$\varphi = \arctan \frac{\omega \sqrt{LC}}{\sqrt{3}} : \frac{4 - \omega^2 LC}{1 - \omega^2 LC}$$

At the cut-off frequency $\omega_{\mathbf{c}} = \frac{1}{\sqrt{10}}$, the steep slope of the frequency re-

sponse curve amounts to 9% and there is a 5% deviation of the phase characteristic from the linearity law. Thus, in the frequency range from 0 to $\omega_c = \frac{1}{\sqrt{LC}}$, the network has a practically ideal aperture correction (\propto) given by the formula:

 $\alpha = 1 + \alpha \delta^2$

where 6 is the relative frequency equal to $\frac{10}{1000}$; and (a) is a correction factor equal to $\frac{1}{1000}$ - 1. A maximum aperture correction of approximately $\frac{1}{1000}$ 20 can be obtained with this network when using tubes with S \approx 10 $\frac{\text{ma}}{\text{V}}$, Card 3/5

S/187/61/000/007/003/003 D053/D113

A new differential aperture-correction network

where V is the input voltage; S_1 is the mutual conductance of the tube T_1 . Self-inductance voltage $(V_{T.})$ is

Inductance voltage
$$(V_L)^{13}$$

$$V_L = -\frac{V_c \omega^2 LC}{1 - \omega^2 LC} = -V_S R \omega^2 LCM(\omega) .$$

The output voltage (Vout) is obtained by adding Vound voltage plate resistor (r) of the T2 and T3 tubes. The value of the output voltage is given as

 $V_{out} = V S_1 R S_2 r \left[1 + \omega^2 L C \left(n - \frac{S_3}{S_2} - 1 \right) \right] M(\omega);$

where S_2 and S_3 are the mutual conductances of the T_2 and T_3 tubes, respectively; n is the transformation ratio of the transformer T; and $M(\omega)$ is the coefficient of frequency distortions. When $C = 3C_0$ and $R = \sqrt{\frac{9}{2} L_0}$, then the circuit parameters conform to the optimum conditions of the frequency characteristic. In this case, the modulus of the frequency distribution featons acteristic. In this case, the modulus of the frequency distribution factor is

 $|M(\omega)| = \frac{1}{\sqrt{1 + \frac{1}{4}\omega^6 L^3 C^3}}$

Card 2/5

9,4140 6.6000

Braude, G.V., and Makarov, Yu.S.

AUTHORS:

A new differential aperture-correction network

23288 S/187/61/000/007/003/003 D053/D113

TITLE:

PERIODICAL:

Tekhnika kino i televideniya, no. 7, 1961, 40-42

TEXT: A new version of the differential aperture-correction network is described. The network (Fig. 1) includes a circuit, connected to the plate of a tube T₁, consisting of three parallel branches: an interstage spurious capacitance C_o, a plate resistance R, and a series LC-link. The impedance (Z) of this circuit is

where

$$Z = R (1 - \omega^{2}LC) \cdot M(\omega)$$

$$M(\omega) = \frac{1}{1 - \omega^{2}LC + j\omega R(C + C_{o} - \omega^{2}LCC_{o})}$$

The voltage (V_c) across the impedance (Z) is

 $V_c = VS_i Z$

Card 1/5

IGNATIVEV, A.D., kand. tekhn. nauk; SVIRIBENKO, A.F., inzh.; Egyedel, Edge inzh.

Investigating the operating conditions of the BES-1 koring nature and the directional boring of long blant holes. fav. von. volc. zav.; gor. zhur. 7 no.10:86-91 [G.].

1. Institut gornogo dela imeni A.A. Skochinskogo (for Junalizav, Sviridenko). 2. Pechorskiy nauchno-issledoyatelleliy scallavr institut (for Fakarov). Rekomendovana institutom pornogo desa imeni A.A. Skochinskogo.

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001031500036-6

The boiling-water reactor - a ... $\frac{5/196/62/000/016/009/011}{E194/E155}$

mixture formed in the reactor is delivered to a primary-steam separator. The saturated steam there separated is delivered to a turbine and the water is pumped back to the reactor through the secondary-steam evaporator. Secondary steam from the evaporator is delivered to the secondary-steam separator and thence to the intermediate stage of the turbine. Problems of stable operation and power control of such a reactor are considered and also the purity of steam and the radioactive contamination of the circuit. For pressures above 70 atm the output of a boiling-water reactor is limited because filmwise boiling occurs at certain critical loadings and is accompanied by considerable impairment of heat transfer. One way of making boiling-water reactor equipment more economic is to superheat the steam either in the reactor itself (nuclear superheat) or in a special fired superheater. Nuclear superheat is the more promising.

Abstractor's note: Complete translation.

Card 2/2

5/196/62/000/016/009/011 E194/E155

AUTHORS:

Doroshchuk, V.Ye., and Makarov, Yu.N.

TITLE:

The boiling-water reactor - a promising set for

nuclear power

PERIODICAL: Referativnyy zhurnal, Elektrotekhnika i energetika, no.16, 1962, 34, abstract 16 G 238. (Elektr. stantsii,

no.4, 1962, 11-14).

The disadvantages of nuclear power installations with water-cooled water-moderated reactors are pointed out. To obtain saturated steam at a pressure of 30 atm in the steam generator it is necessary to maintain 100 atm in the reactor, which greatly complicates the installation. The disparate water pressures in the first and second circuits reduce the thermal efficiency of the heat-power cycle. Moreover, a large quantity of heat-transfer medium is pumped through the reactor; at one nuclear power station the amount is 27 000 cubic metres/hour. The boiling-water reactor is free of these defects. However, a large volume of steam in the reactor would cause unstable operation. This may be avoided if the equipment produces steam at two pressures. Here, the steam-water Card 1/2.

GUBIN, V.V.; MAKAROV, Yu.N.; AKSENOV, B.Ye.

Mine testing of coal extraction by means of chain saws. Ugol' 35
no.11:27-30 N'60.

1. Pechorskiy nauchno-issledovatel'skiy ugol'nyy institut (for Gubin,
Makarov). 2. Glavnyy inzhener shakhty No.1-2 "Khal'mer-Yu"

(for Aksenov).

(Coal mines and mining) (Coal mining machinery)

MAKAROV, Yu.M.; KHARITONOVA, G.N.; CHUDAKOVA, N.I. Changes in the properties of capron fibers during the process of manu-(MIRA 18:7) facture. Khim. volok. no.3:62-65 165. 1. Moskovskiy tekstil'nyy institut (for Makarov). 2. Klinskiy kombinat iskusstvennogo i sinteticheskogo volokna (for Kharitonova, Chudakova).

MAZOV, Yu.A.; MAKAROV, Yu.M.

Technological and design characteristics of a bobbin holder for warping from cakes. Khim.wolok. no.2154-56 '62. (MIRA 15:4)

1. Vsesoyuznyy nauchno-issledovatel*skiy institut iskusstvennogo volokna.

(Spinning machinery)

PHASE I BOOK EXPLOITATION SOV/6428 Bogolyubskiy, G. N., I. I. Burinov, L. V. Vinogradov, V. V. Voznesenskiy, V. S. Danirak, A. S. Zubkin, A. S. Il'yashev, M. D. Korabiev, Yu. A. Lebedeva, Yu. K. Makarov, I. P. Miroshnikov, I. P. Novichenko, A. V. Popov, and V. A. Sarefryakov Zashchita naseleniya ot sovremennykh sredstv porazheniya; uchebnoye posobiye dlya organizatsii DOSAAF (Protection of the Population From Modern Meuns of Destruction; Handbook for DOSAAF Organizations) Modern Meuns of Destruction; Handbook for DOSAAF, 1963, 254 p. 450,000 copies printed. Sponsoring Agency: Vsesoyuznoye ordena krasnogo znameni Dobrovol'noye obshchestvo sodeystviya armii, aviatsii floty. Eds. (Title page): I. S. Varennikov and L. V. Vinogradov; Compilers: M. D. Korsblev and Yu. A. Lebedeva; Ed.: F. Ye. Godiner; Tech. Ed.: M. Z. Sorkin, Card 1/\$

BOGOLYUBSKIY, G.N.; BURLINOV, I.I.; VINOGRADOV, L.V.; VOZNESENSKIY,
V.V.; DANILYUK, V.S.; ZUBKIN, A.S.; IL'YASHEV, A.S.; KORABLEV,
M.D.; LEHEDEVA, Yu.A.; MAKAROV, Yu.K.; MIROSHNIKOV, I.P.;
NOVICHENKO, I.P.; POPOV, A.V.; SEREBRAKOV, V.A.; VARENNIKOV,
I.S., red.; GODINER, F.Ye., red.; SORKIN, M.Z., tekhn. red.

[Protecting the population from present-day means of
destruction] Zashchita naseleniia ot sovremennykh sredstv porazheniia; uchebnoe posobie dlia organizatsii DOSAAF. Pod obshchei red. I.S.Varennikova i L.V.Vinogradova. Izd.2., perer.

i dop. Moskva, Izd-vo DOSAAF, 1962. 254 p.

(Civil defense)

(MIRA 16:4)

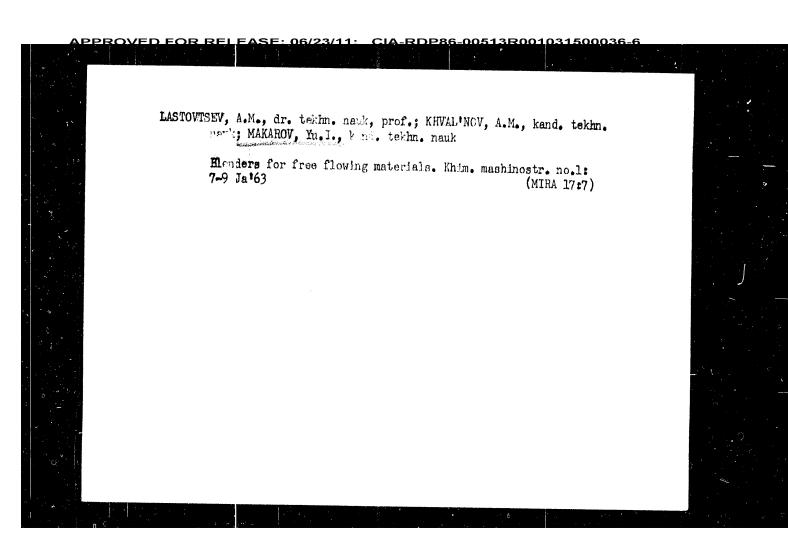
KIPRIYAN, K.M.; KONDRAT'YEV, P.V.; KORABLEV, M.D.; LEBEDEVA, Yu.A.; MAKAROV, Yu.K.; MIROSHNIKOV, I.P.; NOVICHENKO, I.P.; POPOV, A.V.; SEREBRYAKOV, V.A.; KANEVSKAYA, M.D., red.; ANDRIANOV, B.I., tekhn.red.

[Protecting the public from present-day means of destruction; a textbook for organizations of the All-Union Voluntary Society for the Fromotion of the Army, Aviation, and Navy] Zashchita naseleniia ot sovremennykh sredstv porezheniia; uchebnoe posobie dlia organizatsii Vsesoyuznogo dobrovol'nogo obshchestva sodeystviya armii. aviatsii i flotu. Moskva, Izd-vo DOSAAF, 1958. 334 p. (MIRA 1294) (Civil defense)

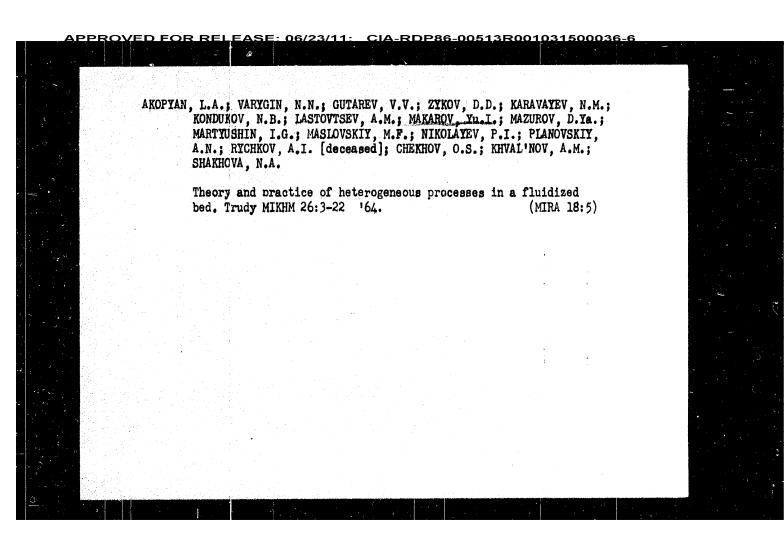
BABKIN, I.A.; BOGOLYUBSKIY, G.N.; BURLINOV, I.I.; VOZNESENSKIY, V.V.;

DANILYUK, V.S.; ZAPOL'SKIY, G.N.; ZUBKIN, A.S.; IL'YASHEV, A.S.;

CIA-RDP86-00513R001031500036-6



MAKAROV, Yu.I. Studying the performance of a mechanical absorber for removing hydrogen from carbon dioxide and hydrogen sufide. Gaz.prom. 6 no.7:28-31 '61. (MIRA 17:2)



LASTOVTSEV, A.M.; KHVAL'NOV, A.M.; MAKAROV, Yu.I.

Process of mixing of free-flowing materials in a fluidized bed obtained by the mechanical method. Khim.prom. no.ll:815-818 N '62. (Fluidization)

(Fluidization)

Theory of the resistance and heat ... S/196/62/000/010/017/035
E073/E155

theory of heat exchange for the case of jet flows past bodies is proposed.
2 references.

[Abstractor's note: Complete translation.]

-RDP86-00513R001031500036

5/196/62/000/010/017/035 E073/E155

B

10.3400

Kudryashev, L.I., and Makarov, Yu.I.

AUTHORS: Theory of the resistance and heat transfer in jet TITLE:

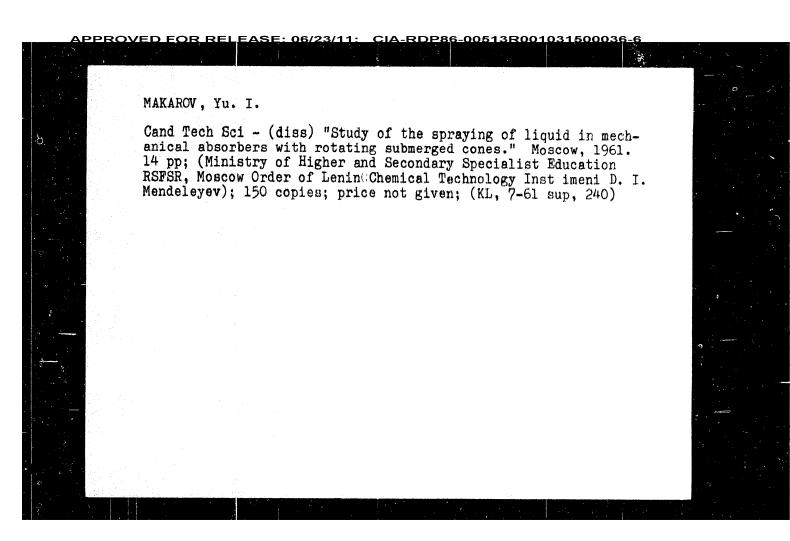
flows past bodies

PERIODICAL: Referativnyy zhurnal, Elektrotekhnika i energetika, no.10, 1962, 2-3, abstract 10 G12. (Tr. Kuybyshevsk.

aviats. in-t, no.12, 1961, 93-98)

The principal difference in the physical picture of TEXT: the flow past bodies by an unlimited flow and by a flow with finite dimensions was established. Differential equations analysed by similarity theory methods yield a new determining parameter x/6) which is of considerable importance in experimental determination of the resistance and heat-transfer coefficients in jet flow past bodies. The theory of the "regular thermal regime" serves to establish an unequivocal relation between the Nusselt criterion characterizing the external heat transfer and the new invariant K, which determines the internal process of heat conductivity. A simple method of applying the hydrodynamic Card 1/2

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001031500036-6



ACC NR AP6010527 precision, 0.2 mm; method of clamping master and work, pneumatic; motor output for lengthwise carriage, 0.6 kW; dimensions, $3950 \times 1150 \times 1060$ mm; and weight, 2300 kg. Orig. art. has: 2 figures. SUB CODE: 13/ SUBM DATE: none

ACC NRI

SOURCE CODE: UR/0193/65/000/010/0025/0027

AUTHOR: Makarov, Yu.

ORG: none

TITLE: Experience in the use of a duplicate milling machine for the machining of curvilinear and restilinear work

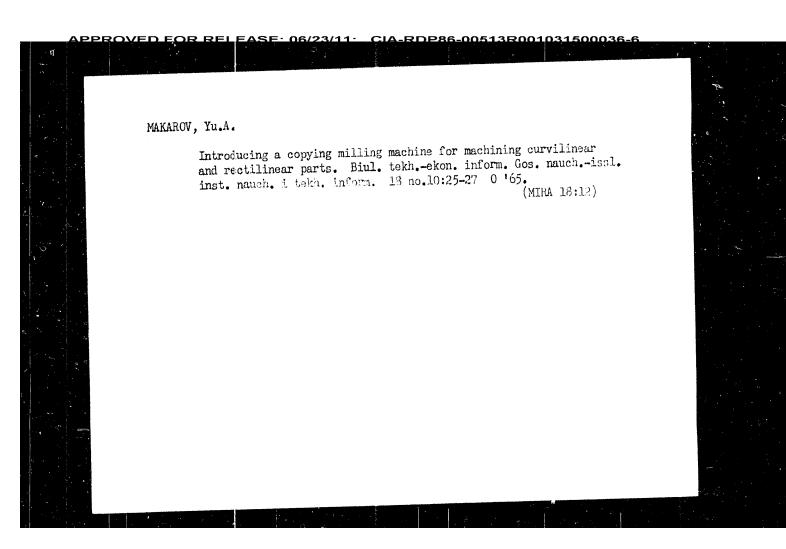
SOURCE: Byulleten' tekhniko-ekonomicheskoy informatsii, no. 10, 1965, 25-27

TOPIC TAGS: machine tool, milling machine, duplicate milling, metal machining

ABSTRACT: The article describes a duplicate milling machine, developed at an unspecified Soviet enterprise, which, unlike conventional mills, can be used for profile and slot milling with both rectilinear and curvilinear L- and T-shaped rolled and pressed sections. The machine has mechanical drive (lengthwise) and manual (transverse) feed, permits the use of a standard piece as master form, and reduced to a minimum re-rigging time for other sizes and formats. The operational principle of the profiling machine is explained. Technical specifications of this machine, which resulted in an annual saving of 5,000 rubles and in better-quality production are given; maximum length of work, 3000 mm; minimum curvature of work, 300 mm; maximum thickness (contour-to-contour) of work, 8 rm; bed size (length and width), 3700 and 900 mm; milling head rpm rate, 18000; milling head motor output, 2 kW; maximum diameter of miller, 8 mm; cross carriage automatic feed rates, 750, 900, and 1100 mm/min; master-to-blank milling

UDC: 621.914.37:621.81

EWT(m)/EWP(j)/T IJP(c) WW/RM AP6030605 (AN) SOURCE CODE: UR/0413/66/000/016/0093/0093 INVENTOR: Yeliseyeva, V. I.; Avetisyan, I. S.; Drezel's, S. S.; Zubov, P. I. Popov, V. A.; Makarov, Yu. A.; Izmaylova, I. S.; Orlova, K. G.; Gerasimova, A. S.; Gordonov, M. D.; Il'chenko, G. I.; Shreyner, S. A. TITLE: Method of obtaining alkyl acrylate copolymers. Class 39, No. 185057 SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 16, 1966, TOPIC TAGS: copolymer, copolymerization, monomer, alkyl acrylate ABSTRACT: An Author Certificate has been issued for a method of obtaining alkyl acrylate copolymers with a vinyl acetate by emulsion copolymerization of the proper monomers in the water phase in the presence of an anion emulsifier. To obtain stable dispersions, 1-5 mol % unsaturated carboxylic acid, such as methacrylic acid, is introduced into the initial monomer mixture. [Translation] SUB CODE: \07/ SUBM DATE: 16Jan65/ UDC: 678.744.32-139 Card 1/1



EWT(m)/EPI'(c)/EWP(j)/T RPL WW/RM 5290-66 UR/0286/65/000/014/0129/0129 SOURCE CODE: ACC NR: AP5022052 S. Makarov, Yu. A.; Izmaylova, Mal'kov, N. AUTHORS: Guseva, I I. S.; Shvareva, G. N., Khantsis, R. Z., Glacyshev, A. Nikitina, D. M.; Chikunin, K. I.; Rodziminskiy, V. V. 44,55 TITLE: Method for obtaining copolymers, Cla ORG: none Class 39, No. 144021 SOURCE: Bywlleten' izobreteniy i tovarnykh znakov, no. 14, 1965, 129 TOPIC TAGS: copolymer, pressure casting ABSTRACT: This Author Certificate presents a method for obtaining copolymers on the basis of methyl methacrylate and esters of acrylic acid by a suspension method. To obtain colorless copolymers suitable for fabricating products by casting under pressure higher alcohols, e.g., octyl, as a plasticizer, esters of phthalic acid, e.g., dicyclohexyl, as a stabilizer and derivatives of aminocumarone, e.g., phenyl ester of (naphtho-1, 2, 24, 5)-triazoline (2)-stilbene-2-sulfoacid, as a clarifier are added to the mixture. OTH REF: 000 ORIG REF: 000/ SUBM DATE: 15May61/ SUB CODE: MT. GC/ 0901.0501

ACCESSION NR: AF4032149

driven by P16A transistors. The schematic diagram of the registration block is given along with the fiving circuit of the electromechanical counters. The transistors of the analyzer are fed from special transistorized voltage stabilizers. A gating circuit has been developed to block the stabilizers in the case of overload and to disconnect the stabilizer when the load current $J_{\ell} \leq J_{s.c.}$. The ADA-150 analyzer can be used for simultaneous measurement of two amplitude spectra of pulses fed to the common analyzer input. In this case one spectrum is registered in channels 1--70 and the other in channels 80--149. Yu. Semenov.

DATE ACQ: 31Mar54 SUB CODE: GE, SD ENCL: 00

APPROVED FOR REL FASE: 06/23/11: CIA-RDP86-00513R001031500036-6

ACCESSION NR: AR4032149

S/0058/64/000/002/A015/A015

SOURCE: Ref. zh. Fiz., Abs. 2A169

AUTHOR: Makarov, Yu. A.

TITLE: Use of transistors in the registration block of an ADA-150 analyzer

CITED SOURCE: Tr. 5-y Nauchno-tekhn. konferentsii po yadern. radioelektronike. T. 2. Ch. 1. M., Gosatomizdat, 1963, 195-201

TOPIC TAGS: pulse height analyzer, differential pulse height analyzer, ADA 150 analyzer, analyzer registration block, transistorized registration block, overload gating circuit, stabilized power supply

TRANSLATION: Many circuit elements of the ADA-150 differential pulse-height analyzer have been transistorized. The registration block of the analyzer includes 150 electromechanical MES-54 counters

Card 1/2

MAKAROV, Yu.A.

Changes in the respiratory component of the conditioned food reaction during the interaction of defensive and food dominants in dogs.

Zhur.vys.nerv. deiat. 11 no.2:273-280 Mr-Ap '61. (MIRA 14:6)

1. Chair of Normal Physiology, Sechency Medical Institute, Moscow. (CONDITIONED RESPONSE) (RESPINATION)

8/058/63/000/003/006/104 A160/A101 A highly-sensitive scintillation... a detector thickness of 3 mm and at a T-1 concentration of 600 mg/cm3. The maidmum efficiency was ~10%. Hereby, the detector was composed of a mixture containing 31.9 g of the T-1 luminous compound, 42 g of polymethylmethacrylate powder, and 30 g of methylmethacrylate monomer. Since the duration of the philses caused by the au-rays equalled 1 μ sec, and the length of the pulses caused by the neutrons equalled $2-3~\mu {\rm sec}$, it proved to be possible to somewhat increase the sensitivity of the detector to the thermal neutrons by using the de-Layed-self-coincid moe circuit. K. Aglintsev Abstracter's note: Complete translation Caird 2/2

5/058/63/000/003/006/104 A160/A101 Makar v. Yu. A., Matveyev, V. Y., Popkov, G. K., Prikhodohenko, N.N., ERCHTUA Stremin, V. I. TITLE A highly-sensitive scintillation thermal-neutron counter capable of operating in powerful gamma fields Referentivnyy zhurnal, Fizika, no. 3, 1963, 39, abstract 3A313 PERIODICAL: ("Sb. racet po nekotorym vopr. dozimetrii i radiometrii ionizir. izlucheniy. No. 2. M., Gosatomizdat, 1961, 103 - 116) TEXT: The main factors determining the dependence of the efficiency of scintillation them al-neutron detectors on their parameters are analyzed. Investigated were delectors into which T-1 luminous compound (an alloy of boric armydride with ZnS Ag)) grains with an average diameter of 1 mm were introduced by pressing into the mixture polymethylmethacrylatic powder and methylmethalorylate monomer. The thickness of the detector was 3, 5, 7 and 10 mms. The concentration of the T-1 grains changed from 100 to 1,000 mg/cm3. The γ -background of an order of 5 roentgen/hours was discriminated to a level of 0.1 - 1 pulse/sec. The maximum efficiency of recording thermal neutrons was obtained at Card 1/2

MAKAROV, Yu.A.

Changes of the secretory and respiratory components of conditioned reflexes during the interaction of the defense and food dominations.

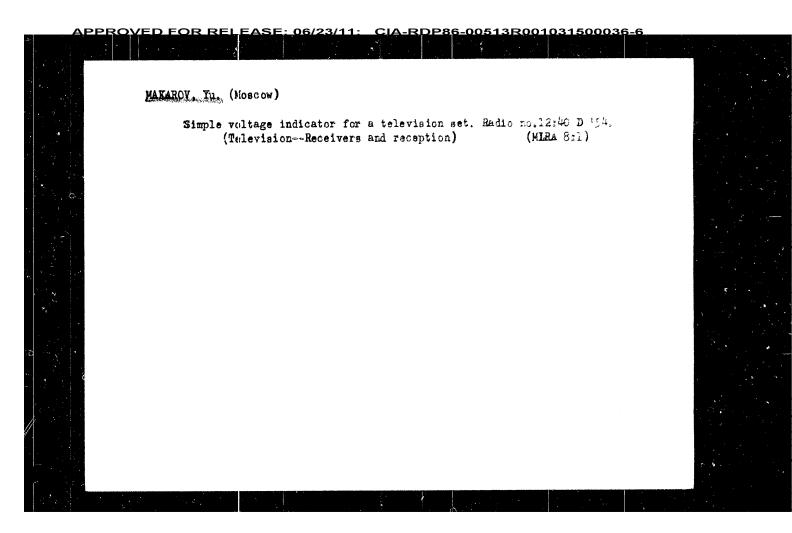
Zhur. vys. nerv. deiat.10 no. 4:590-598 J1-Ag '60.

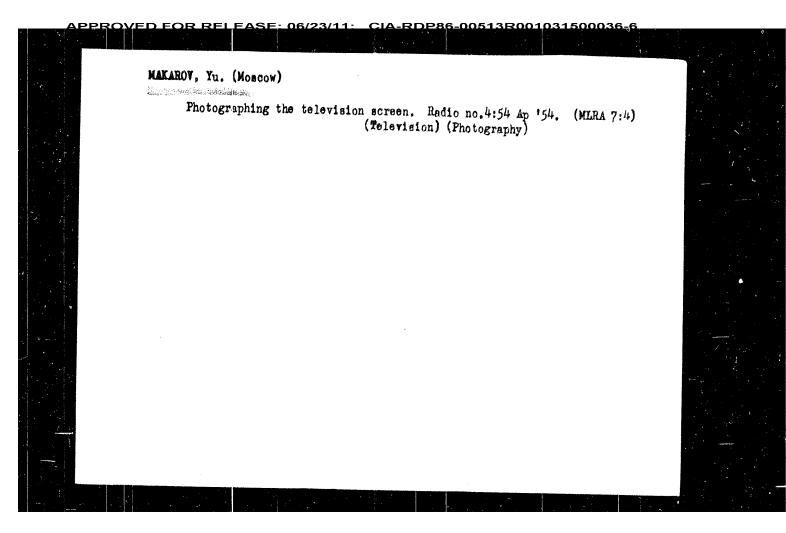
(MIRA 14:2)

1. Chair of Normal Physiology, Sechenov Medical Institute, Moscow.

(CONDITIONED RESPONSE) (RESPIRATION)

EMPARCY, Yr A., Cand Mod Sci — (uivs) "The physiological contains for the interaction of Fiole inelly portably and the other conditions," Yes.ow, 1960, 22 pp (First moscow medical institute in I. E. Sechenov) (KL, 3(-60, 118)





APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001031500036-6

MAKAROV, Yu.

PA 1/50T36

UBSR/Engineering - Motors, Electric Sep 49 Motors, Synchronous

"The Quality of the SM-46 Turntable Motor," Yu. Hakarov, 1 p

"Radio" No 9

The SM-46 synchronous motor, produced by a Leningrad factory, causes speaker hum, which is especially noticeable at high volumes. This is due to careless assembly of the stator and rotor. The rotor vibrates axially and radially. The change in the air gap between stator and rotor causes the hum. Requests the factory to eliminate this defect.

1/50136

KOVARSKIY, L.G., inzh.; MAKAROV, Ye.Ya., tekhnik

Improved metal scaffolding for boilers. Energetik 9 no.8:8-12
Ag '61. (Boilers) (Scaffolding)

